

# Work Order ID 63230

Monday, October 25, 2010 2:40:02 PM

Page 1

Item ID: D3852-041

Accept

Revision ID:

Item Name: Rib Assembly

Start Date: 10/25/2010 Start Qty: 2.00

Required Date: 10/29/2010 Req'd Qty: 2.00

Reference:

Approvals:

Process Plan:

Date: 10-10-25

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Run

Start

Stop

Sequence ID/  
Work Center ID

Operation  
Description

Set Up/  
Run Hours

Tool ID

Tool #

Plan  
Code

Accept  
Qty

Reject  
Qty

Reject  
Number

Insp.  
Stamp

Draw Nbr

Revision Nbr

D3852

Rev A

100

0.00



Large Fab

Large Fab

Large Fab

Memo

0.00

1- pick D3166-3 to cut D3852-1 rib (LH) as per dwg D3852 using DT9440 jig

2- drill hole (3/16") in D3852-1 using DT9439 jig and open to finish size as per dwg D3852

3- c'sink hole as per dwg

4- remove identification markings

5- deburr

6- weld D3759-1 bushing as per dwg D3852

A/R ER316 S.S. Rod Batch: 111585

7- grind bushing weld flush as per dwg D3852

8- deburr hole if necessary

SAD 10-01-04

PLC 10-11-23

2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

**Work Order ID 63230**

Monday, October 25, 2010 2:40:02 PM



Page 2

Item ID: D3852-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Rib Assembly

Start Date: 10/25/2010 Start Qty: 2.00



Cust Item ID:

Required Date: 10/29/2010 Req'd Qty: 2.00



Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

130

QC10- Inspect visual per QSI004- ground welds

0.00



QC

Memo

0.00

Quality Control

H 10.11.23

2

0

BE 10/11/23

140

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

8.12.14/23

+2  
-046

150

Identify as per dwg &amp; Stock Location:

0.00



Packaging

Memo

0.00

Packaging

H 10.11.23

W/O:		WORK ORDER CHANGES					
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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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**NOTE:** Date & initial all entries

**Work Order ID 63230**

Monday, October 25, 2010 2:40:02 PM

Page 3

Item ID: D3852-041

Accept



Setup Start



Revision ID:

Stop



Item Name: Rib Assembly

Start Date: 10/25/2010 Start Qty: 2.00



Cust Item ID:

Required Date: 10/29/2010 Req'd Qty: 2.00



Customer:

Reference:

Approvals: Process Plan: \_\_\_\_\_ Date: \_\_\_\_\_ Tooling: \_\_\_\_\_ Date: \_\_\_\_\_

Run Start



QC: \_\_\_\_\_ Date: \_\_\_\_\_ SPC (Y/N): \_\_\_\_\_ Date: \_\_\_\_\_

Stop

Sequence ID/  
Work Center IDOperation  
DescriptionSet Up/  
Run Hours

Tool ID

Tool #

Plan  
CodeAccept  
QtyReject  
QtyReject  
NumberInsp.  
Stamp

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

10/11/23

ME

10-11-23

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries

# Picklist Print

Monday, October 25, 2010 2:40:06 PM

Page 1

Work Order ID: 63230

Parent Item: D3852-041

Parent Item Name: Rib Assembly

Start Date: 10/25/2010

Required Date: 10/29/2010

Start Qty: 2.00

Required Qty: 2.00

Comments: IPP Rev:A 08-12-02 new issue DD verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
---------------------------------	------------------------	---------------	-------------	---------------------	------------------	-----------------	--------------------	----------------	-------------	--------------	---------------	----------------	--------

D3166-3		Manufactured	No			100	Each	10.6127	0.18	0.37897			
---------	--	--------------	----	--	--	-----	------	---------	------	---------	--	--	--



Basket Hoop



SAD 10-11-09

Location

Loc Qty

Loc Code

WA

10.61267105

55697

2.1053E-05

59266

0.0418

60270

0.00265

61193

4.5682

63063

6

0.3789

D3759-1

Manufactured No

100

Each

40.0000

1

2



Bushing



CPL 10.11.23

Location

Loc Qty

Loc Code

ST084

21

56942

21

WA

19

54072

9

61379

10

B63875 → 2

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

**NOTE:** Date & initial all entries



8 7 6 5 4 3 2 1

ITEM	QTY -041	QTY -042	P/N	DESCRIPTION
1	X		D3852-041	RIB ASSEMBLY
2		X	D3852-042	RIB ASSEMBLY
3	1	1	D3759-1	BUSHING
4	1		D3852-1	RIB
5		1	D3852-2	RIB



**D3852-041 RIB ASSEMBLY**



**D3852-042 RIB ASSEMBLY**

SHOP COPY  
RETURN TO  
ENGINEERING  
UNCONTROLLED COPY  
SUBJECT TO AMENDMENT  
WITHOUT NOTICE  
WORK ORDER  
NO. 63230  
BS 10-10-25

RELEASE  
08/11/07 M.P.

- NOTES:
- 1) MATERIAL: N/A
  - 2) FINISH: NONE
  - 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
  - 4) UNITS: INCHES UNLESS OTHERWISE NOTED
  - 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
  - 6) IDENTIFICATION: N/A
  - 7) WEIGHT: 0.83 lbs EACH
  - 8) WELDING: PER QSI 004

REV.	DESCRIPTION	MB	DATE
A	NEW ISSUE		08.11.07
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	08.11.07		

**DART AEROSPACE LTD**  
HAWKESBURY, ONTARIO, CANADA

DRAWING NO. **D3852** REV. A  
SHEET 1 OF 3  
TITLE **RIB ASSEMBLY** SCALE NTS

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8 7 6 5 4 3 2 1

# Dart Aerospace Ltd

W/O:		WORK ORDER CHANGES					
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Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

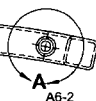
Resolution: \_\_\_\_\_ Disposition: \_\_\_\_\_ QA: N/C Closed: \_\_\_\_\_ Date: \_\_\_\_\_

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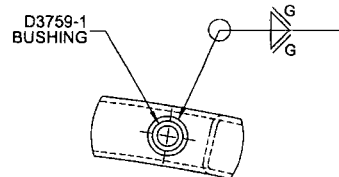
**NOTE:** Date & initial all entries



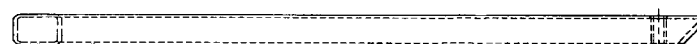
D3852-1  
RIB



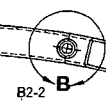
**D3852-041 RIB ASSEMBLY**



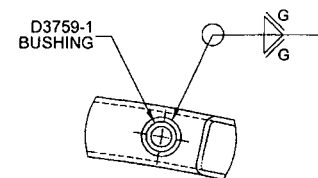
**DETAIL A**  
SCALE 2X C5-2



D3852-2  
RIB



**D3852-042 RIB ASSEMBLY**



**DETAIL B**  
SCALE 2X C2-2

**RELEASED**  
08/11/07

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED	125	DRAWING NO.	REV. A
MFG. APPR.		<b>D3852</b>	SHEET 2 OF 3
APPROVED		TITLE	SCALE
DE APPR.		<b>RIB ASSEMBLY</b>	NTS
DATE	08.11.07	<small>COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.</small>	

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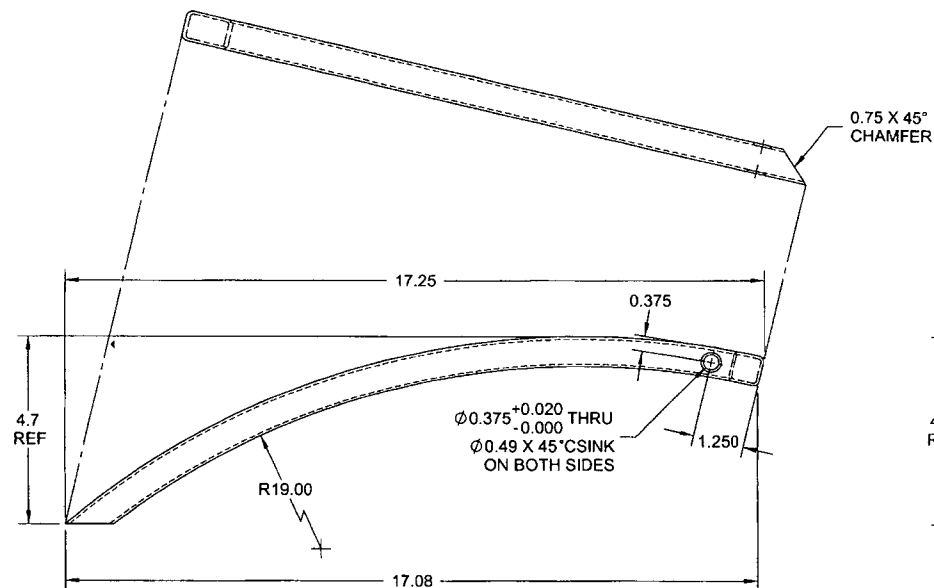
Part No: \_\_\_\_\_ PAR #: \_\_\_\_\_ Fault Category: \_\_\_\_\_ NCR: Yes No DQA: \_\_\_\_\_ Date: \_\_\_\_\_

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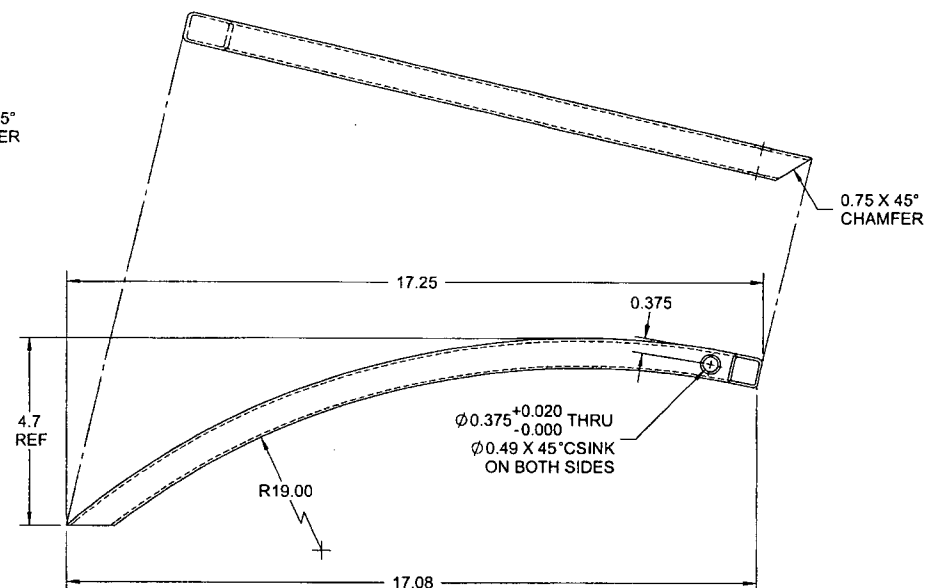
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**NOTE:** Date & initial all entries

u1063230



**D3852-1 RIB**



**D3852-2 RIB**

RELEASED  
8/11/07

- NOTES:  
 1) MATERIAL: AISI 304/316 STAINLESS STEEL SQUARE TUBE, 0.75 X 0.75 X 0.065 WALL  
 REF. DART SPEC. M304TS0.750W0.065  
 2) FINISH: NONE  
 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED  
 4) UNITS: INCHES UNLESS OTHERWISE NOTED  
 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX  
 6) IDENTIFICATION: N/A  
 7) WEIGHT: 0.82 lbs EACH

DESIGN		<b>DART AEROSPACE LTD</b>	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		<b>D3852</b>	SHEET 3 OF 3
APPROVED		TITLE	SCALE
DE APPR.		<b>RIB ASSEMBLY</b>	NTS
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